

**From:** David Bofinger

**To:** Dilshad Perera



**Date:** 05/18/05

**Subject:** Tank 27 in the Reactor Farm area

At about 11:30 am on 05/12/05 during a walk through of the tank farms, it was noticed that Tank-27 had developed a small leak. The drip was coming from a 2" nipple connected into a 2" gate valve coming off a flange connected to a 4" ball valve attached to the tank. The tank is full containing approximately 14,000 gallons of product. The 4" ball valve was checked to verify that it was completely shut, the same with the 2" gate valve but the drip continued. After the valves were verified to be closed the drip was observed to see what happened. After about an hour the drip did not stop or slow it was determined that both the 2" and 4" valves were not seating completely shutting off the flow from the tank. At that time it was determined that the most efficient way to control and stop the leak was to transfer the contents into another holding vessel. After researching the tank volumes and contents on the site it was determined that Tank-17 and Tank-19 contained the same product for disposal and between the two there was enough volume to hold the contents of Tank-27. At about 13:45 the transfer of product began from T-27 into T-17, when T-17 was full the discharge hose was transferred into T-19 and the remainder of T-27's volume was transferred. After the transfer operations both T-17 and T-19 were checked and verified that there was no leaks from them. This operation was complete about 18:30 and by the time the crew had cleaned up it was 19:00.

On 05/16/05 the leaking valve and pipe assembly on T-27 was replaced with a new unit from the site maintenance shop. This was done so we can use tank T-27 for a temporary storage tank if needed.

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